



# CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - BOGIE/CENTER AXLE



**Sample No:** VCP440077  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-072403



## SAMPLE INFORMATION

Sample Number	<b>VCP440077</b>	VCP446726	VCP415558	VCP410187
Sample Date	<b>31 May 2024</b>	01 Feb 2024	04 Aug 2023	11 May 2023
Machine Hours	<b>9784</b>	9302	8791	8303
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>295</b>	300	310	312
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	9	6	3
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>0</b>	2	1	<1

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>26</b>	34	18	13
Copper	ppm	<b>&lt;1</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>5</b>	6	2	2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>86</b>	95	62	58
Magnesium	ppm	<b>45</b>	50	29	27
Zinc	ppm	<b>95</b>	93	65	64
Phosphorus	ppm	<b>984</b>	972	1012	989
Barium	ppm	<b>0</b>	5	2	0
Boron	ppm	<b>198</b>	189	194	185

**Depot:** SAIBIR  
**Unique No:** 11071131  
**Signed:** Jonathan Hester  
**Report Date:** 12 Jun 2024



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## VOLVO GRAPHS

